IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
WACO DIVISION

VOIP-PAL.COM, INC. Plaintiff, v. T-MOBILE US, INC.; and T-MOBILE USA, INC.; Defendants.	CIVIL ACTION NO. 6:21-cv-674 JURY TRIAL DEMANDED

ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff VoIP-Pal.com, Inc. ("VoIP-Pal"), for its Complaint against Defendants T-Mobile US, Inc. and T-Mobile USA, Inc. (collectively "T-Mobile" or "T-Mobile Defendants") alleges as follows:

THE PARTIES

1. Plaintiff VoIP-Pal is a Nevada corporation with its principal place of business located at 7215 Bosque Boulevard, Waco, Texas 76710. VoIP-Pal is registered to do business in the State of Texas.

2. On information and belief, T-Mobile US, Inc. is a Delaware corporation with its principal place of business at 12920 Southeast 38th Street, Bellevue, Washington 98006. T-Mobile US, Inc. may be served through its registered agent Corporation Service Company, 251 Little Falls Drive, Wilmington, Delaware 19808.

3. On information and belief, T-Mobile USA, Inc. is a Delaware corporation with its principal place of business at 12920 Southeast 38th Street, Bellevue, Washington 98006. T-Mobile USA, Inc. may be served through its registered agent Corporation Service Company, 211

E. 7th Street, Suite 620, Austin, Texas 78701. On information and belief, T-Mobile USA, Inc. is registered to do business in the State of Texas and has been since at least November 22, 1999.

4. On information and belief, the T-Mobile Defendants regularly conduct and transact business in the State of Texas, throughout the United States, and within this District, and as set forth below, have committed and continue to commit, tortious acts of infringement within and outside the State of Texas and within this District.

JURISDICTION AND VENUE

5. This action is a civil action for patent infringement arising under the patent laws of the United States, Title 35, United States Code ("U.S.C.") § 1 et seq., including 35 U.S.C. §§ 271 and 281-285. This Court has exclusive subject matter jurisdiction over this case for patent infringement under 28 U.S.C. §§ 1331 and 1338.

6. This Court has personal jurisdiction over the T-Mobile Defendants by virtue of their systematic and continuous contacts with this jurisdiction, as alleged herein, as well as because the injury to VoIP-Pal occurred in the State of Texas and the claim for relief possessed by VoIP-Pal against the T-Mobile Defendants for that injury arose in the State of Texas. On information and belief, the T-Mobile Defendants have purposely availed themselves of the privileges of conducting business within the State of Texas, such business including but not limited to: (i) at least a portion of the infringements alleged herein; (ii) purposefully and voluntarily placing one or more infringing products or services into the stream of commerce with the expectation that they will be purchased and used by consumers in this forum; or (iii) regularly transacting or soliciting business, engaging in other persistent courses of conduct, or deriving or attempting to derive substantial revenue and financial benefits from goods and services provided to individuals residing in the State

of Texas and in this District. Thus, the T-Mobile Defendants are subject to this Court's specific and general personal jurisdiction under due process and the Texas Long Arm Statute.

7. Personal jurisdiction also exists specifically over the T-Mobile Defendants because the T-Mobile Defendants, directly or through subsidiaries or intermediaries (including customers, distributors, retailers, and others), subsidiaries, alter egos, and/or agents – ship, distribute, offer for sale, sell, import, advertise, or market in the State of Texas and in this District, one or more products or services that infringe the patents-in-suit, as described particularly below. The T-Mobile Defendants have purposefully and voluntarily placed one or more of their infringing products or services, as described below, into the stream of commerce with the awareness and/or intent that these products or services will be purchased or used by consumers in this District. The T-Mobile Defendants have knowingly and purposefully shipped or made available infringing products and services into and within this District through an established distribution channel. These infringing products or services have been and continue to be purchased or used by consumers in this District.

8. VoIP-Pal's claim for relief for patent infringement arises directly from the activities of the T-Mobile Defendants in this District.

9. On information and belief, the T-Mobile Defendants, directly and/or through their customers have transacted business in this District and has committed acts of patent infringement in this District. By virtue of their offices, facilities, and/or stores in this District, the T-Mobile Defendants have a regular and established place of business in this District. Thus, venue is proper in this District under 28 U.S.C. §§ 1391 and 1400(b).

BACKGROUND OF THE TECHNOLOGY AND THE PATENTS-IN-SUIT

10. United States Patent No. 8,630,234 (the "'234 patent") entitled "Mobile Gateway" was duly and legally issued by the United States Patent and Trademark Office on January 14, 2014 after full and fair examination. A copy of the '234 patent is attached hereto as Exhibit 1.

11. United States Patent No. 10,880,721 (the "'721 patent") entitled "Mobile Gateway" was duly and legally issued by the United States Patent and Trademark Office on December 29, 2020 after full and fair examination. A copy of the '721 patent is attached hereto as Exhibit 2.

12. The '234 and '721 patents are referred to in this Complaint as the "Patents-in-Suit".

13. VoIP-Pal is the sole owner and assignee of the entire right title and interest in the Patents-in-Suit and has the right to sue and recover damages for any current or past infringement of the Patents-in-Suit.

14. The inventions of the Patents-in-Suit originated from breakthrough work and development in the internet protocol communications field.

15. VoIP-Pal has provided significant improvements to communications technology by the invention of novel methods, processes and apparatuses that facilitate communications across and between internet protocol based communication systems and other networks, such as internally controlled systems and external networks (e.g., across private networks and between private networks and public networks), including providing access to and routing through internet protocol based communication systems.

16. The earliest telephone systems to receive public use within the United States involved a telephone directly connected to a human operator. A portion of the phone rested on a mechanical hook such that the operator was signaled when the portion was lifted from the hook. A caller would then say the name of the person they wished to call to the operator. If the callee was connected to the same telephone switch board the operator would physically pull out a cable

associated with the caller's phone and plug the cable into a socket associated with the callee's telephone. If the callee was associated with a different switchboard, and thus out of reach of the operator, a second operator would be involved to bridge the gap to the appropriate switchboard. While initially very effective compared to no telephone service, this structure quickly proved error prone (operators would connect the wrong party) and limiting to the number of possible telephones because of the physical limits of switchboards and cable to be pulled. This basic system corresponds to the introduction of a Plain Old Telephone Service ("POTS") connection to the operator. In these configurations, there was a dedicated, point-to-point electrical connection between the caller and the callee.

17. Rotary dialing eventually was introduced, beginning at around the turn of the 20th century, where a rotary disk was marked with numbers from zero to nine. A caller would spin the wheel and a mechanical device in the telephone would cause a sequence of electrical pulses to be sent to the network corresponding to the digit dialed, for example, four pulses would be sent for the number four. Rather than speaking to a human operator, an electric device would count the pulses and begin to route a call once an appropriate and valid sequence of digits was dialed by the caller. This advancement improved reliability of call routing and reduced the time required to initiate a call. But, even so, there was a dedicated, point-to-point electrical connection between the caller and the callee. As multiple companies entered the market of telephone service and the number of customers increased, an issue emerged where a caller would be a customer of one telephone company and the callee would be a customer of another. The solution that emerged to this problem was to introduce trunk lines connecting one company to another.

18. Eventually, as the number of companies continued to increase and telephone services spread over much larger geographic areas, the notion of a Public Switched Telephone

Network ("PSTN") emerged. The term derives from the notion, at least in part, that the dedicated wires used to connect the caller and callee were "circuit-switched" to connect the two parties. The PSTN developed gradually into the middle of the 20th century, still built around the notion of rotary dialing and POTS connections to the individual telephones. These calls involved analog communications over circuit-switched electrical connections. A circuit-switched network involves assigning dedicated resources, such as switch settings and specific wires, to establish a link from the caller to the callee. While the call is ongoing, these resources cannot be used for any other communications.

19. The next important advancement for consumer telephone service, introduced broadly during the second half of the 20th century, was the introduction of push-button telephones. With such telephones the rotary dial was replaced by a matrix of buttons, each labeled with a digit from zero through nine along with the additions of '*' and '#'. The underlying signaling technology was called dual-tone multiple-frequency ("DTMF") and involves two different audible tones being sent simultaneously from the telephone into the telephone network. A receiver within the network decoded these tones and formed them into a sequence of digits indicating the number of the callee.

20. Around this same time a scheme for international telephone addressing was introduced, with a numeric protocol for identifying one country from another and providing country-specific routing within the destination country. The E.164 standard now documents how a caller anywhere in the world, for example, in Ann Arbor, Michigan, can identify a telephone number at any other location, such as Avignon, France. While many of these advances, such as DTMF dialing and automated international routing, may have been originally introduced via *ad hoc* methods, eventually they required multiple parties (companies and governments) to agree on

protocols to enable wide-spread reliable use and inter-operability among different telephone communications networks. Even with all these advances, the systems still relied on circuit-switched technology that dedicated resources between the caller and the callee for the duration of a call. The move to take human operators out of the loop, with the introduction of rotary dialing, combined with the fast increase in demand for telephone services throughout the 20th century, resulted in the development of automated telephone switches. These devices comprised a set of input ports, each dedicated to, and associated with a specific caller, and output ports, each capable of being associated with a callee. A small local telephone system may have had a single switch while a larger service would use a large number of switches that were connected to each other. A switch from a local service provider would be connected to a trunk line which then connected to an input switch of another service provider. These switches originally supported analog voice calls initiated via rotary dialing and dedicating input and output ports as well as physical wires for each circuit-switched call.

21. Eventually analog voice services were replaced within the network with digital voice. Digital voice is communicated using a sequence of chunks (or packets) of data. This advancement allowed physical resources to be shared among multiple calls over short bursts of time. For example, a physical wire can move a packet for one call at a specific instance in time and then move a packet for a totally different call subsequently, only to later return to transfer a new packet for the original call. This advance is called packet-switched communications and provided an important increase in network reliability and efficiency while driving down the cost. However, in most situations throughout the 20th century (and often still today), the connection to the end user's physical telephone is analog. While network switches operate via digital circuitry, and often comprise programmable processors executing software, they tend to be dedicated

special-purpose devices. The conversion between analog and digital encoding is typically done at the point where the PSTN network switch connects to the POTS handset, for example, at a device called a Class-5 telephone switch, which connects the customer POTS handset to the PSTN network of a service provider's central office.

22. The Internet became important to consumers, via broad deployment, during the late 1980's and early 1990's. Eventually available bandwidth and reliability increased to the point where pioneers began to experiment with techniques to carry voice communications over the Internet. These early efforts began to focus on techniques called Voice Over Internet Protocol (VOIP) and session initiation protocol (SIP). VOIP provided a consistent set of protocols and mechanisms for moving digital voice packets between two callers using the Internet rather than existing PSTN networks. SIP provided a mechanism for establishing and terminating communication sessions such as calls between users of a VOIP service. For example, a callee could register with a VOIP service so that an identifier (such as their name, email address or a nickname) could be associated with the computer to which they are logged in. Eventually VOIP services increased to provide interoperability with the existing PSTN services. For example, the company Skype began to allow a user to call a PSTN number using a feature marketed as "Skype out". However, the user was required to explicitly classify the call as a PSTN call by specifying a real physical telephone number. In this case the VOIP system had to include a gateway to bridge from the VOIP network to the PSTN network in order to route to the physical telephone. Calls that used a proprietary non-PSTN user identifier such as an email or nickname remained within the VOIP network and were not routed to the PSTN network to a POTS telephone.

23. The advent of digital cellular networks in the 1990's allowed customers to physically move their mobile phones from one location to another and enabled convenient mobile

calling. However, despite the increasing popularity of the Internet and the development of Internet-based VOIP services such as Skype, mobile phone users were forced to use conventional calling processes to place calls over the then-existing mobile phone and PSTN communication infrastructure. Also, mobile phone users often had to pay roaming charges for calls if they were not located in their home area or incurred significant costs to place long-distance calls if the called party was not local. One technique developed for avoiding the long distance charges charged by mobile telephone service providers was to use a calling card to place a call to a local telephone number or to a less-expensive phone number (such as a toll-free number), but this technique was cumbersome and complex as it required the user to dial a special set of numbers or codes. However, the Patents-in-Suit disclose and claim a distinct manner of mobile call routing.

24. Digifonica, a wholly owned subsidiary of patent owner VoIP-Pal, starting in 2004 eventually came to employ over a dozen top professionals (e.g., software developers, system administrators, QA/test analysts) including three Ph.D.'s with engineering backgrounds, to develop innovative software solutions for communications. Digifonica spent over $15,000,000 researching, developing, and testing a communication solution capable of seamlessly integrating a private voice-over-IP ("VoIP") communication network with an external network (i.e., the "public switched telephone network" or "PSTN"), by bridging the disparate protocols, destination identifiers and addressing schemes used in the two networks. Furthermore, Digifonica's system optimized the choice of communication infrastructure to be used for any given call based on the location of the caller and/or callee. Digifonica's system chose the optimal infrastructure to route both calls placed over cellular and PSTN networks or placed via internet protocol networks. By the mid-2000's, Digifonica had successfully tested intra- and inter-network communications (i.e., communications within the private Digifonica system and between the Digifonica system and the

PSTN) by implementing high-capacity communication nodes across three geographic regions, including actual working communication nodes in Vancouver (Canada) and London (UK). Digifonica's R&D efforts led to a number of patent grants, including the Patents-in-Suit.

25. The Patents-in-Suit describe novel systems, apparatuses and methods for providing an access code to roaming mobile communication devices such as smartphones, to enable access to suitable communication routing infrastructure, wherein the selection of the communication channel for a call can be optimized based on the calling device's current location.

OVERVIEW OF THE ACCUSED INSTRUMENTALITIES

26. Each of the instrumentalities described in this Complaint made, used, sold, offered for sale, and /or import by the T-Mobile Defendants comprises systems, devices and/or computer-executable program code relating to and supporting communications using devices, computers, servers, systems and methods used by, operated by and performed by the T-Mobile Defendants.

27. T-Mobile supports and operates a messaging and communication platform (the "T-Mobile Calling System") including an Internet Protocol (IP) Multimedia Subsystem (IMS). Before, 3G services were delivered using a circuit switched network. IMS is a system for delivering communication services over an IP network, such as a private network or the Internet. IMS performs routing, authentication, authorization, and accounting over the IP network. Several protocols are available for performing individual tasks, which are performed on the server level (or the base station level in telephony terms) provided by the network operator, in this case T-Mobile. One such task is VoWiFi calling (also known as Voice over WiFi or VoWiFi), which is compliant with 3GPP standards and enabled by the IMS. T-Mobile uses VoWiFi to 'fill the gaps' in Voice over LTE (VoLTE).

28. VoWiFi is an extension of the 3rd Generation Partnership Project's (3GPP) evolved packet core (EPC) architecture. The T-Mobile Calling System implements VoWiFi, which allows any WiFi network to access the EPC provided by the T-Mobile Calling System via an evolved packet data gateway (ePDG) at the border between the public Internet and a mobile core of the T-Mobile Calling System. The ePDG creates a secure IPsec tunnel from the EPC all the way to the device and anchors traffic in the packet gateway (PGW) to the mobile core, which means a WiFi connection can be treated in the same way as a cellular connection by the mobile core.

29. The T-Mobile Calling System enables mobile telephone and device roaming. The T-Mobile Calling System produces an access code identifying a communication channel useable by the mobile telephone or device to initiate a call to a callee using the channel. In the T-Mobile Calling System, the access code is based on a location identifier and/or based on a location pre-associated with the mobile telephone or device.

30. The T-Mobile Calling System is referred to in this Complaint as the Accused Instrumentalities.

COUNT 1
INFRINGEMENT OF U. S. PATENT NO. 8,630,234

31. Paragraphs 1 through 30 are incorporated by reference as if fully stated in this Count.

32. The T-Mobile Defendants, either alone or in conjunction with others, have infringed and continue to infringe, both directly and indirectly, one or more claims of the '721 patent, including at least exemplary claim 20, under 35 U.S.C. § 271, either literally and/or under the doctrine of equivalents, by making, using, offering to sell, selling, and/or importing into the United States at least certain methods, apparatuses, products and services used for communication, including, without limitation, the Accused Instrumentalities.

33. For example, the T-Mobile Defendants infringe exemplary claim 20 of the '234 patent by making, using, offering to sell, selling, and/or importing into the United States at least the Accused Instrumentalities as detailed in Exhibit 3 to this Complaint.

34. On information and belief, the T-Mobile Defendants have had knowledge of the '234 patent since at least January 14, 2014 when the '234 patent issued.

35. Alternatively, the T-Mobile Defendants have had knowledge of the '234 patent since at least December 18, 2015 based on a letter that VoIP-Pal sent the T-Mobile Defendants notifying the T-Mobile Defendants of the '234 patent. After acquiring that knowledge, the T-Mobile Defendants infringed the '234 patent and in doing so, they knew, or should have known, that their conduct amounted to infringement of the '234 patent. The T-Mobile Defendants intentionally and deliberately did not respond to VoIP-Pal's letter despite being subjectively aware of the risk that their conduct constituted infringement.

36. Alternatively, the T-Mobile Defendants have had knowledge of the '234 patent and of their infringement of the '234 patent based at least on the filing of this Complaint.

37. Despite their knowledge and notice of the '234 patent as of at least the filing of this Complaint, the T-Mobile Defendants have continued to make, use, sell, offer to sell, and/or import the Accused Instrumentalities in the United States in a manner that infringes the '234 patent. The T-Mobile Defendants knew or should have known that their actions constituted infringement of the '234 patent. Upon information and belief, the T-Mobile Defendants have failed to take adequate steps to avoid infringing the '234 patent, despite having been on notice of and lacking permission to practice the '234 patent. Upon information and belief, the T-Mobile Defendants will continue to reap significant revenues and savings based on their infringement of the '234 patent. Accordingly, the T-Mobile Defendants' infringement has been and continues to be willful.

38. The T-Mobile Defendants have induced infringement, and continue to induce infringement, of one or more claims of the '234 patent under 35 U.S.C. § 271(b). The T-Mobile Defendants actively, knowingly, and intentionally induced, and continue to actively, knowingly and intentionally induce infringement of the '234 patent by: making, using, selling, offering to sell, importing and/or otherwise making available and/or supplying the Accused Instrumentalities; with the knowledge and specific intent that third parties will use the Accused Instrumentalities supplied by the T-Mobile Defendants to infringe the '234 patent; and with the knowledge and specific intent to encourage and facilitate third party infringement through the dissemination of the Accused Instrumentalities and/or the creation and dissemination of promotional and marketing materials, supporting materials, instructions, product manuals, and/or technical information related to the Accused Instrumentalities.

39. The T-Mobile Defendants specifically intended and were aware that the ordinary and customary use of the Accused Instrumentalities would infringe the '234 patent. For example, the T-Mobile Defendants make, offer to sell, sell, use, import, and/or make available and provide the Accused Instrumentalities, which, when used in their ordinary and customary manner as intended by the T-Mobile Defendants, infringe one or more claims of the '234 patent, including at least exemplary claim 20. Upon information and belief, the T-Mobile Defendants further provide product manuals and other technical information that cause the T-Mobile Defendants' customers and other third parties to use and to operate the Accused Instrumentalities for their ordinary and customary use. The T-Mobile Defendants' customers and other third parties have directly infringed the '234 patent, including at least exemplary claim 20, through the normal and customary use of the Accused Instrumentalities. By providing network infrastructure, network services and device configurations for enabling the Accused Instrumentalities, and instruction and training to

customers and other third parties on how to use the Accused Instrumentalities in an infringing manner, the T-Mobile Defendants specifically intended to induce infringement of the '234 patent, including at least exemplary claim 20. The T-Mobile Defendants accordingly have induced and continue to induce the T-Mobile Defendants' customers and other users of the Accused Instrumentalities in their ordinary and customary way to infringe the '234 patent, knowing, or at least being willfully blind to the fact, that such use constitutes infringement of the '234 patent.

40. The T-Mobile Defendants have contributed and continue to contribute to the infringement by others, including their customers, of the '234 patent under 35 U.S.C. § 271(c) by, among other things, making, selling, offering for sale within the United States and/or importing into the United States the Accused Instrumentalities for use in practicing the patented inventions of the '234 patent, knowing that the Accused Instrumentalities and components are especially made or adapted for use in infringement of the '234 patent, embody a material part of the inventions claimed in the '234 patent, and are not staple articles of commerce suitable for substantial non-infringing use. The T-Mobile Defendants' customers directly infringe the '234 patent by using the Accused Instrumentalities.

41. VoIP-Pal has been and continues to be damaged by the T-Mobile Defendants' infringement of the '234 patent.

42. The T-Mobile Defendants' conduct in infringing the '234 patent renders this case exceptional within the meaning of 35 U.S.C. § 285.

COUNT 2
INFRINGEMENT OF U. S. PATENT NO. 10,880,721

43. Paragraphs 1 through 42 are incorporated by reference as if fully stated in this Count.

44. The T-Mobile Defendants, either alone or in conjunction with others, have infringed and continue to infringe, both directly and indirectly, one or more claims of the '721 patent, including at least exemplary claim 38, under 35 U.S.C. § 271, either literally and/or under the doctrine of equivalents, by making, using, offering to sell, selling, and/or importing into the United States at least certain methods, apparatuses, products and services used for communication, including, without limitation, the Accused Instrumentalities.

45. For example, T-Mobile Defendants infringes exemplary claim 38 of the '721 patent by making, using, offering to sell, selling, and/or importing into the United States at least the Accused Instrumentalities as detailed in Exhibit 4 to this Complaint.

46. On information and belief, the T-Mobile Defendants have had knowledge of the application that led to the '721 patent since at least December 18, 2015 based on a letter that VoIP-Pal sent the T-Mobile Defendants notifying the T-Mobile Defendants of the application that led to the '721 patent. After acquiring that knowledge, the T-Mobile Defendants infringed the '721 patent and in doing so, they knew, or should have known, that their conduct amounted to infringement of the '721 patent. The T-Mobile Defendants intentionally and deliberately did not respond to VoIP-Pal's letter despite being subjectively aware of the risk that their conduct constituted infringement.

47. On information and belief, the T-Mobile Defendants have had knowledge of the '721 patent since at least December 29, 2020 when the '721 patent issued.

48. Alternatively, the T-Mobile Defendants has had knowledge of T-Mobile Defendants have had knowledge of the '721 patent and of their infringement of the '721 patent based at least on the filing of this Complaint.

49. Despite their knowledge and notice of the '721 patent as of at least the filing of this Complaint, the T-Mobile Defendants have continued to make, use, sell, offer to sell, and/or import the Accused Instrumentalities in the United States in a manner that infringes the '721 patent. The T-Mobile Defendants knew or should have known that their actions constituted infringement of the '721 patent. Upon information and belief, the T-Mobile Defendants have failed to take adequate steps to avoid infringing the '721 patent, despite having been on notice of and lacking permission to practice the '721 patent. Upon information and belief, the T-Mobile Defendants will continue to reap significant revenues and savings based on their infringement of the '721 patent. Accordingly, the T-Mobile Defendants' infringement has been and continues to be willful.

50. The T-Mobile Defendants have induced infringement, and continue to induce infringement, of one or more claims of the '721 patent under 35 U.S.C. § 271(b). The T-Mobile Defendants actively, knowingly, and intentionally induced, and continue to actively, knowingly and intentionally induce infringement of the '721 patent by: making, using, offering to sell, selling, importing, and/or otherwise making available and/or supplying the Accused Instrumentalities; with the knowledge and specific intent that third parties will use the Accused Instrumentalities supplied by the T-Mobile Defendants to infringe the '721 patent; and with the knowledge and specific intent to encourage and facilitate third party infringement through the dissemination of the Accused Instrumentalities and/or the creation and dissemination of promotional and marketing materials, supporting materials, instructions, product manuals, and/or technical information related to the Accused Instrumentalities.

51. The T-Mobile Defendants specifically intended and were aware that the ordinary and customary use of the Accused Instrumentalities would infringe the '721 patent. For example, the T-Mobile Defendants make, offer to sell, sell, use, import, and/or make available and provide

the Accused Instrumentalities, which, when used in their ordinary and customary manner as intended by the T-Mobile Defendants, infringe one or more claims of the '721 patent, including at least exemplary claim 38. Upon information and belief, the T-Mobile Defendants further provide product manuals and other technical information that cause the T-Mobile Defendants' customers and other third parties to use and to operate the Accused Instrumentalities for their ordinary and customary use. The T-Mobile Defendants' customers and other third parties have directly infringed the '721 patent, including at least exemplary claim 38, through the normal and customary use of the Accused Instrumentalities. By providing network infrastructure, network services and device configurations for enabling the Accused Instrumentalities, and instruction and training to customers and other third parties on how to use the Accused Instrumentalities in an infringing manner, the T-Mobile Defendants specifically intended to induce infringement of the '721 patent, including at least exemplary claim 38. The T-Mobile Defendants accordingly have induced and continue to induce the T-Mobile Defendants' customers and other users of the Accused Instrumentalities in their ordinary and customary way to infringe the '721 patent, knowing, or at least being willfully blind to the fact, that such use constitutes infringement of the '721 patent.

52. The T-Mobile Defendants have contributed and continue to contribute to the infringement by others, including their customers, of the '721 patent under 35 U.S.C. § 271(c) by, among other things, making, selling, offering for sale within the United States, and/or importing into the United States the Accused Instrumentalities for use in practicing the patented inventions of the '721 patent, knowing that the Accused Instrumentalities and components are especially made or adapted for use in infringement of the '721 patent, embody a material part of the inventions claimed in the '721 patent, and are not staple articles of commerce suitable for

substantial non-infringing use. The T-Mobile Defendants' customers directly infringe the '721 patent by using the Accused Instrumentalities.

53. VoIP-Pal has been and continues to be damaged by the T-Mobile Defendants' infringement of the '721 patent.

54. The T-Mobile Defendants' conduct in infringing the '721 patent renders this case exceptional within the meaning of 35 U.S.C. § 285.

DEMAND FOR JURY TRIAL

Under Rule 38 of the Federal Rules of Civil Procedure and Local Rule 38(a), VoIP-Pal demands a trial by jury on all issues so triable.

PRAYER FOR RELIEF

WHEREFORE, VoIP-Pal prays for the following relief:

a) A judgment and order that the T-Mobile Defendants has directly infringed (either literally or under the doctrine of equivalents) and/or induced the infringement of the patents-in-suit;

b) A judgment and order permanently enjoining the T-Mobile Defendants, their respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns and any other person(s) in active concert or participation with the T-Mobile Defendants from directly infringing the patents-in-suit for the full term of the patents-in-suit;

c) A judgment that the infringement of the patents-in-suit by the T-Mobile Defendants has been willful;

d) A judgment and order requiring the T-Mobile Defendants to pay VoIP-Pal an award of damages under 35 U.S.C. § 284, adequate to compensate VoIP-Pal for the T-Mobile Defendants' past infringement, but in no event less than a reasonable royalty, including enhanced

damages as provided by 35 U.S.C. § 284, and supplemental damages for any continuing post-verdict infringement up until entry of the final judgment with an accounting, as needed, as well as damages for any continuing or future infringement up to and including the date that the T-Mobile Defendants are finally and permanently enjoined from further infringement;

e) A judgment and order requiring that in the event a permanent injunction preventing future acts of infringement is not granted, that VoIP-Pal be awarded a compulsory ongoing licensing fee;

f) A judgment and order that this action be found an exceptional case pursuant to 35 U.S.C. § 285, entitling VoIP-Pal to an award of all costs of this action, including attorneys' fees and interest;

g) A judgment and order requiring the T-Mobile Defendants to pay VoIP-Pal the costs of this action;

h) A judgment and order requiring the T-Mobile Defendants to pay VoIP-Pal pre-judgment and post-judgment interest on the damages award; and

i) Such other and further relief as the Court deems just and equitable.

Dated: June 25, 2021

Respectfully submitted,

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